Arthur Taddeo
Senior Program Manager

Professional History

Education

B.A., Microbiology, University of New Hampshire

M.A., Biochemistry, Boston University

Years of Experience

With AECOM 22

With other firms 9

Technical Specialties

Project Management

Remediation

USTs

Professional Affiliations

American Society for Microbiology

Training and Certifications

Proving the Technical Case, Litigation Training, U. of Wisconsin-Madison, College of Engineering, 1993

Mr. Taddeo has over 30 years of experience in environmental science specializing in the development and implementation of innovative remediation systems for soil and groundwater. For over 15 years, he has focused on management of large and complex projects. Mr. Taddeo has carried out numerous laboratory treatability studies and on-site pilot scale tests to evaluate the use of innovative techniques such as bioremediation, air sparging, bioventing, and in situ thermal treatment to gather data for the selection and design of appropriate remedial options. Mr. Taddeo has managed several large, complex, multi-task closure projects for military and private clients. These projects have involved post-closure assessment, soil and groundwater remediation, as well as installation of replacement UST systems in accordance with industry practices and regulatory requirements. He has managed a number of remedial construction projects which have included large soil removal projects, demolition debris, asbestos abatement, and restoration activities under conditions of significant time constraints, and with multiple stakeholders and public involvement.

Experience

Project/Program Management

Former Aeronautics Manufacturing Testing Facility, Complex Bedrock Investigation, Vapor Intrusion Assessment, and MCP Closure Documentation, Massachusetts. Led a large team of scientists, subcontractors, and academic consultants in a five year complex series of assessments of bedrock and vapor intrusion for chlorinated solvents, DNAPL and LNAPL petroleum hydrocarbons. Investigations utilized several innovative geophysical methods to determine nature/extent, mass flux, and associated risks in order to submit a Temporary Closure (long-term monitored natural attenuation) to the regulatory agency.

Former Manufacturing Facility – UST Closures, Building Demolition, Historic MCP Closure and Vapor Intrusion Review, Massachusetts. Managed an intricate and time-sensitive project involving closure of 2 out-of-service USTs, and decon-demolition of hazardous waste containing equipment and piping at a former manufacturing plant to allow facility to be sold. Project also included review of this "MCP-Waivered" site's closure documents to confirm

Project Management, U. of Hawaii, 1992

OSHA 40 hr Health and Safety, 1989

OSHA 8 hr Supervisor Safety, National Water Well Association, 1989

Optimizing Injection Strategies for In Situ Reactive Zone Remediation, 2005

Groundwater Treatment Technology, 1986

Project Management, U. of Hawaii, 1992

Writing Commercial Proposals, Shipley Associates, 1990

they met the current MCP requirements for vapor intrusion to allow multiple uses of buildings after their purchase.

U.S. Navy, UST Closures and Remediation, Hawaii. Served as project manager of several simultaneous remedial construction projects for U.S. Navy's Pacific Division Remedial Action Contract including multi-UST projects (up to 30), including closure and subsequent remediation (thermal and bio) as well as UST system replacement with leak detection monitoring at active facilities under extremely tight time constraints.

Field Analytical Program - Project Triangle, Forensic Chemistry and Soil Segregation, Massachusetts. Managed field screening and soil disposal activities for buyer of contaminated property to be developed for a handicap vocational training school. Negotiations with regulatory agency permitted elevated levels of petroleum hydrocarbons and PAH from a former tar dump site to be disposed of at local landfills. A mobile lab screened over 30,000 cubic yards of soil in one month using a variety of chemical methods, allowing site development to be completed on time.

Insurance Adjuster, In Situ Sparge and Vent Remediation, Massachusetts. Managed design and construction of an in situ remediation system to address residual and separate phase No. 2 fuel oil underneath an occupied residence due to a release from fuel tank. Efforts consisted of managing design team, construction of system, installation of well points and piping by contractors, operation and long-term monitoring under an insurance policy cap.

Compressed Gas Manufacturer, Lagoon Closure, Massachusetts. Managed the closure of a seven acre former carbide limepond. Activities included assessment of the extent of the pond, evaluation of cost-effective reuse/disposal options, and site management of lime removal and off-site transport. Final solution as contour/cap material for a landfill closure saved the client significant costs.

Compressed Gas Manufacturer, Lagoon Closure, Massachusetts. Managed the remediation and regulatory closure of a one-acre impoundment impacted with NAPL petroleum wastes from compressor lubricating oils. Treatment evaluation determined landfilling of waste to be the most cost-effective. During field work, unexpected conditions included the discovery of over 400 buried acetylene gas cylinders and soils impacted with large pieces of friable asbestos. These additional issues were handled and resolved without major delays to the overall project schedule.

Conrail, Spill Response, Massachusetts. Coordinated a 24-hour spill response team to provide Licensed Site Professional (LSP) consulting support services for Consolidated Rail Corporation. Required intimate knowledge of Mass. Contingency Plan regulations in order to respond to emerging situations and guide clients' internal staff and spill contractors through requirements in order to close sites rapidly and cost-effectively.

U.S. Government, Remedial Project Manager, Washington, D.C. Oversaw remedial investigation, feasibility study, and remedial implementation of treatment system to deal with xylene contaminated soils from paint wastes at U.S. Soldiers and Airmen's Home Federal facility in Washington, D.C. Project was successful in remediating soils.

Compressed Gas Manufacturer, Remedial Investigation, Massachusetts. Managed a multi-disciplined team for a Comprehensive Phase II Site Investigation under Massachusetts' MCP. Field activities included storm water conduit inspection, installation and sampling of subsurface soil borings and monitoring wells, and preparation of regulatory driven reports. Knowledge of MCP allowed cost-effective remedial solutions to be negotiated and down-gradient migration status proposed for groundwater closure.

Litigation Support

Love's Bakery, Remediation, Hawaii. Served as key expert witness for industrial client being sued for improper closure of UST's from former rental property. Supported litigation defense for regulatory as well as technical issues on field investigation and remediation. Succeeded in reducing settlement to one-tenth initial damages.

Legal Firm, Sampling, Hawaii. Designed sampling plan and performed field work and documentation requiring specialized procedures for herbicide/pesticide litigation case involving the agent Benylate produced by Dupont during defense of manufacturer for suits brought by farmers on the Island of Hawaii.

Legal Firm, Storm water Permitting, Hawaii. Provided expert witness technical testimony during Administrative Hearing on island of Maui against real estate development project which was not implementing best construction practices/NPDES storm water requirements which caused siltation pollution to vital marine coral ecosystem and tourist attraction.

CH2MHill, Sampling. Provided technical support and consulting to client for U.S. Dept. of Justice case for evaluation of soil sampling protocols and review of data quality used to determine responsibility of contamination at Love Canal.

Manufactured Gas Plants (MGP)

KeySpan Energy, Closure of MGP Waste Dump Site, Massachusetts. Managed the regulatory closure of a former dump site for MGP products after the site had been remediated by consolidation of impacted soil followed by an impermeable cap. Property consists of wetlands adjacent to river plus residential parcels. Closure relies on risk-based goals and deed restrictions.

Consolidated Edison, Gas Holder Waste Treatment Evaluation, New York. Provided senior technical review role for sampling and remedial engineering design profiling and testing for MGP NAPL and wastewater mixture contents of former MGP site gas holders.

Electric Power Research Institute (EPRI), Remediation Alternative Consulting. Presented literature review, proof of concept, and conceptual approach of a combined in situ chemical oxidation-bioremediation approach for coal tar sources at MGP sites to EPRI membership at monthly meeting.

MGP Box Waste Treatment, Mendon Road, Massachusetts. Managed an evaluation of a novel approach to test cyanide box waste from a former MGP site using biofixation under an engineering project for state-led sites.

Niagara Mohawk, Soil Gas Survey, New York. Coordinated and performed field soil gas surveys for volatile organics at former MGP sites for utility client.

Thermal Treatment

Former Kenco Chemical Company Warehouse OU-2 Source Area, In Situ Thermal Treatment, Glenville, NY. Provided design assistance for preparation of the conceptual design model, 90% design, and bid specifications for NYSDEC site contaminated with chlorinated volatile organic compounds in soils and groundwater cleanup.

Former Duso Chemical Plant Site, In Situ Thermal Treatment, Poughkeepsie, NY. Task manager for preparation of conceptual design model, and design bid specifications for off-site portion of abandoned NYSDEC site containing chlorinated solvents and DNAPL. Performed task management and oversight during remedial construction and operations as owner's representative for review of performance data.

Former Aerospace Microwave Manufacturing Facility, In Situ Thermal Treatment, California. Served as Task Manager and Senior Reviewer for operation of an in situ thermal conductive heating (TCH) project. TCH was implemented to reduce source zone concentrations (primarily PCE) to depths of 60 ft below grade and decrease the period of the perimeter groundwater pump and treatment system operations. The system consisted of 43 thermal heater, vapor extraction, multi-phase extraction, temperature monitoring and pressure monitoring wells. System successfully removed approximately 95% of the calculated CVOC mass in the source zone over a period of 128 days.

Mighty Oak, LLC. In Situ Thermal Treatment. Richmond, Virginia. Served as Project Manager for multi-million dollar remediation of a former dry cleaning facility. Use of Electrical Resistance Heating (ERH) within a compressed time-frame reduced presumptive DNAPL concentrations in groundwater to levels approximating drinking water concentrations.

Former Military Clothing Manufacturer and Dry Cleaner (South Jersey Clothing Company Superfund Site), In situ Thermal Treatment. Atlantic County, New Jersey. Role as Task Manager and Technical Lead to develop the Performance Work Statement, Basis of Design, and Cost Estimate for the Army Corp of Engineer at this EPA Superfund Site.

Communications Manufacturer, In Situ Thermal Treatment. Indianapolis, IN. Provided senior technical review input as member of project team on vendor bids, strategic approach, design components, and monitoring results for ERH project treating high concentrations of chlorinated volatile organics in soil and groundwater.

Electronics Manufacturer, In Situ Thermal Treatment. RCRA site, Shenandoah, Virginia. Functioned as project QC Reviewer for the project team on vendor bids, strategic approach, and design components for ERH project treating high concentrations of chlorinated volatile organics in soil and groundwater.

Former Noranda Forge Fin Site, In Situ Thermal Treatment, Newtown, Connecticut. Task manager for large multi-million dollar ERH project at former metals manufacturing site to treat soils and groundwater impacted with high levels of TCE. Project involved multiple subcontractors, an on-site wastewater treatment plant, electrical safety mitigation activities for an adjacent railroad, and high level presentations to client, local and state agencies.

Former Norfolk Correctional Facility, Steam Enhanced Product Recovery, Dedham, Massachusetts. Provided QC review of design and implementation of pilot and full-scale recovery of No. 6 fuel oil. Steam injection and multi-phase groundwater treatment recovered LNAPL and residual soil impacts to less than a sheen to meet regulatory limits. Site was approved for development to condominiums.

Naval Weapons Industrial Reserve Plant, In Situ Thermal Pilot Test, Bedford, Massachusetts. Performed independent technical review and QC for an ERH pilot test performed on a Naval facility to remove VOCs (CVOCs and BTEX) from soil and groundwater. Pre- and post-treatment soil and groundwater data, as well as ERH operating parameters were evaluated and a summary report written for the client.

Bioremediation

Former Duso Chemical Plant Site, In Situ Bioremediation, Poughkeepsie, NY. Task manager for preparation of conceptual design model, bench-scale treatability design basis and preparation of design bid specifications for on-site portion of abandoned NYSDEC site. Role will include oversight during remedial construction of successful bidder and monitoring/review of performance data.

U.S. EPA, Bioremediation Alternative Evaluation, Massachusetts. Directed novel treatment systems development for treatment of PAH containing coal tars for EPA funded remedial approach. Project involved chemistry method development and bench-scale treatability testing which successfully indicated, for first time, the feasibility of this approach.

Colonial Gas and EPA, Coal Tar Composting Treatment Evaluation, Massachusetts. Directed a follow-on project for utility site funded by EPA program. Developed treatment equipment, procedures, and implemented composting treatment of MGP NAPL tars. Project allowed treatment of wastes to levels appropriate for commercial use with landscaping soil quality. Cost economics of full-scale use were developed.

American International Insurance Adjusters, In Situ Bioremediation/Vapor, Barre, Vermont. Functioned as task manager for remedial investigation, remedial design and installation oversight of an in situ aquifer bioremediation and vadose soil vapor extraction system at a former coal gasification facility. Groundwater treatment included interception of water to control coal tar seeps from entering river and recirculation with addition of nutrients. O&M plan developed to allow state to take over system monitoring.

Northeast Utilities Service Co., Land Treatment of Wastes, Connecticut. Senior technical leader involved in design and implementation of several

treatment cells for landfarming application of coal tar sludge containing high levels of PAH from former lagoons at a coal gasification site. Developed long term O&M plan to allow client to take over treatment.

Trafalgar Square Development, Inc., UST Closure/Thermal Treatment/Bioremediation, Massachusetts. Managed remediation of petroleum contaminated site undergoing renovation for development. UST was found on site and removed. Petroleum contaminated soils were treated on site using bioremediation while sludges were removed from the UST and thermally treated. The soils were remediated and used on-site as fill.

Love's Bakery, Soil Remediation, Hawaii. Served as Project Manager for oversite of remediation of former commercial facility with 12,000 cubic yards of petroleum contaminated soils from leaking USTs. Role included evaluation of Phase II data, preparation of bid documents, assessment of remedial technologies and vendors and regulatory negotiations and oversite of multiple contractors in the completion of a successful bioremediation program.

Seymour Superfund Site Trust Fund, In Situ Bioremediation, Indiana. Role as project manager in negotiating work plan, preparing design and implementing construction of an innovative vadose soils bioremediation system at CERCLA Site. Successfully installed system involving complex equipment manufacturing and coordination with variety of other remedial subcontractors on site at same time.

Steel Company, In situ Treatment, Michigan. Senior technical designer for a complex, high-profile year-long field pilot test of an in situ groundwater bioremediation for CVOCs at former plant. Negotiated work plan with agency, provided critical input to test operation, and reviewed data/final report to plan full-scale treatment efforts.

Former Creosote Plant, RCRA site, Alabama. Served as lead for remedial investigation and design team member for focused remedial alternative evaluation and design of bio land farm for treatment of wood treatment wastes, including creosote PAH, and pentachlorophenols.

Army National Guard, Remedial Construction, Hawaii. Managed removal and treatment of petroleum contaminated soils from motor pool area of military base in Wahiawa, Oahu. Soils were impacted due to fuel oil releases from leaking USTs. Soils were relocated to an off-site landfarm where they were treated to below state criteria and then used as clean fill.

Oceanic Cable, Groundwater Treatment/Land Treatment of Wastes, Hawaii. Lead designer for comprehensive soil and groundwater remediation for client desiring to sell property contaminated by leaking USTs (gasoline). Designed and installed on site landfarm for contaminated soils and an activated carbon pump and treat system for GW cleanup. Systems met state regulatory criteria which allowed site to be closed.

HAZWRAP Air National Guard, Bioremedation, Maine. Task manager for evaluation of landfarming of #6 fuel oil contamination from the Nose Dock Area of using augmented bioremediation using indigenous and commercially available microbes, oversaw construction of landfarm cells and evaluated results. Prepared an O&M manual for base personnel to continue testing.

Kerr-McGee, Remedial design, Alabama. Project microbiologist providing expert review and evaluation of lab results for bacterial enumeration and bench-scale treatability testing of amendments to facilitate remediation of petroleum hydrocarbons at former bulk plant. Provided input on results for design of full-scale treatment.

U.S. EPA, Treatability Study Research, Massachusetts. Senior Microbiologist on team which discovered and documented for the first time, a natural microbial consortium which biodegraded recalcitrant chlorinates solvents released to the environment. Pioneering work led to several advances in this field as well as follow up funding from EPA and NSF for additional research into basic mechanisms and pilot studies.

Remedial Alternatives

Several Clients, Remedial Feasibility, Various Locations. Had general overall management responsibilities and technical direction of several remedial treatability and feasibility studies for petroleum hydrocarbons, chlorinated solvents and wood preserving wastes as senior field manager for firm.

HAZWRAP, Engineering Design, Massachusetts. Participated as a technical lead on team preparing an Engineering Evaluation and Cost Analysis (EECA) for a variety of treatment options for petroleum and contaminated soils at Otis Air Force Base (MMR) under HAZWRAP's program.

Meadowgold Borden Dairies, Groundwater Treatment System Design, Hawaii. Provided technical engineering for the design, O&M of an automated activated carbon pump and treat system to remediate gasoline in groundwater at a remote location in Oahu. Over 1 million gallons of water were treated using this system which reduced high petroleum levels in 8 wells to levels only slightly above cleanup standards in 3 wells.

Lonza, Groundwater Treatment Design, Rhode Island. Project microbiologist for Superfund Site remedial investigation and remedial design for former chemical plant where discharges caused subsurface reducing conditions that promoted dissolution of natural soil arsenic into groundwater. Provided evaluation of monitored natural attenuation conditions and consulted on design of super-oxygenated water injection system to reverse redox chemistry to remove arsenic.

Clivus Multrum, Public Health Microbiology, Rhode Island. Consulting microbiologist to composting toilet manufacturer for permitting of product in municipal bathrooms at state beaches. Provided scientific testimony and support to state agency for approval of innovative use for waste handling.

Geraghty & Miller, Environmental Chemistry, Massachusetts. Project microbiologist providing technical evaluation of chlorinated solvent chemical and microbiological fate and transport with respect to major litigation case of W.R. Grace.

National Science Foundation - University of New Hampshire, Public Health Microbiology, New Hampshire. Provided microbiological support in human tissue culture lab during research of high voltage electron treatment of sewage (human enteric viruses) impacted clamshell flats.

HAZWRAP, Analytical QA/QC Auditor, New England. Functioned as a lead QA Auditor for ABB Environmental's HAZWRAP site investigation program at a variety of bases. Performed field QC visits and prepared audit reports for PM at site work on Otis Air Force Base and Plattsburg (NY) Air Base.

International

CEG, Prepare Site Investigation Scope and Conceptual Remediation Approach for an MGP Site, Rio de Janeiro, Brazil. Assisted the AECOM Brazil office in review of manufactured gas plant assessment documents in order to perform data gap investigation. Subsurface work was planned to more fully define DNAPL plume, potential impacts on receptors, and potential remedial alternatives.

BP Air, Review Site Investigation Results to Prepare Remedial Alternatives and Cost Estimates at Airport Fueling Depots, Bolivia. Reviewed results of investigations at 15 sites nationwide to prepare summary reports to client under tight time schedule. Provided most likely technical remedial approach and costs to reach acceptable regulatory limits.

ESSO Oil Company, Service Station Facility Compliance Review, Puerto Rico. Managed AECOM's Puerto Rico staff to review files of over 100 service stations to evaluate their compliance. Scope included preparation of a database of facility issues (# tanks, leak test results, oil-water separators, generator air permits, septic systems, soil and groundwater testing, remediation system operation). Data from the file review was then used to populate the database to create a single spreadsheet. When compliance issues existed, recommendations were made to the client.

ESSO Oil Company, Underground Storage Tank Assessment and Remediation Support, Puerto Rico. Managed a large complex, multi-year program for a state-led, high profile site during assessment and remediation efforts. Prepared a Quality Assurance Project Plan (QAPP) for geophysical and subsurface investigation phases. Also provided continuous field QA oversight during field work. Coordinated all laboratory analytical testing, full formal validation of lab data, as well as management of data into a database. Provided client with consulting recommendations and data interpretation to support litigation proceedings and testimony during EQB hearings.

Confidential Petrochemical Client, Service Station Facility Phase II Site Investigation Due Diligence, Puerto Rico. Managed staff in Puerto Rico and mainland to support client during acquisition of a 100-site portfolio. Performed file review of 25 sites and subsurface investigation of 12 active service stations. Scope included preparation of monitoring well permit applications, installation of soil borings, wells and sampling-analysis. Prepared reports under tight time constraints and provided remediation alternatives and cost estimates based on results to be used in final price allocation of deal.

Confidential Building Materials Manufacturer, Preparation of Asbestos and Soil Removal Work Plans and Construction Oversight, Multiple Central and South American Locations. Assisted in the preparation of work plans for the assessment and remediation of soils affected by off-spec manufacturing materials containing asbestos. Consulted on procedures during construction oversight by AECOM staff for client sites in several countries.

Kimberly-Clark, Installation of a Free Product Recovery System, United Kingdom. Assisted in scoping and preparation of preliminary design to install a free product recovery system for a release of diesel fuel at an operating paper mill. Procured equipment and coordinated U.S. staff's involvement to install a multiple well automated system during sale of facility to new owner. Project contributed to client's presentation to AECOM of annual Top Environmental Supplier award.

National Grid, Design of Remedial Alternatives for Transformer Stations, United Kingdom. Teamed with AECOM's UK office and remedial subcontractor to present proposal and prepare conceptual designs for 12 transformer facilities. Sites had impacted soil and groundwater due to transformer leaks of dielectric oils and PCBs. Designs involved product recovery, containment, pump-and-treat, biological treatment, and risk assessment approaches.

Avery-Dennison, Work Scope Preparation for UST Closures at Manufacturing Facilities, France. Consulted to AECOM offices in Europe to assist in defining work scope, industry practices, and subcontracting requirements for UST closures at operating manufacturing plants in France.

GE Real Estate, Phase I Due Diligence of Commercial Building, Tokyo, Japan. Performed Phase I Assessment, including asbestos sampling of commercial building for client. Project was under tight time constraints such that report was prepared during travel and presented to client immediately upon arrival back in U.S.

Tokio Marine Risk Consulting Company, Consulting to Prepare Oil-Based Pollution Cleanup Standards, Tokyo, Japan. Prepared a white-paper report on State and Federal standards in U.S. and other progressive European countries relating to oil and petroleum-based contaminants for Japanese consulting firms. Also presented typical site investigation and remediation technologies for various petroleum-related constituents and their limitations.

Caltex, Design of a Petroleum Landfarm, Philippines. Reviewed facility-specific details on refinery waste streams, sludge constituents, and geotechnical considerations to prepare a biological land treatment design for the facility. Deliverable included design basis, facility preliminary design and operations manual for treatment of refinery wastes.

Caltex, Preparation of a Work Plan for Lagoon Closure, Dubai. Consulted with client's staff at refinery facility and prepared work plan with acceptable and available practices to assess and close sludge lagoon prior to facility ownership change.

BOC Gases, Phase I / Phase II Assessment, Canada. Manage U.S. staff and Canadian subcontractors to perform two pre-acquisition due diligence Phase I and Phase II assessments in Ontario and Quebec, Canada.

MI Drilling, Consulting on Oil Exploratory and Production Drilling Waste Management, Nova Scotia, Canada. Consulted to client on acceptable waste management practices and coordinated Canadian subcontractor to assist in permitting and regulatory issues regarding TSDF facility acquired by client to handle drilling wastes.

U.S. Navy, Remedial Construction, Marshall Islands, Guam. Served as project manager for remedial work involving construction of security fencing around sites to be investigated under the Navy's PACDIV Installation Restoration Program on Naval Air Station, Agana, Guam. Project involved management of subs in remote locations for installation of several miles of fencing. Project was completed on-time and significantly under budget.

Publications and presentations

Taddeo, A., S. Olson, D. Folan, and M. Zenker, "Contribution to MNA by Abiotic Transformation at a Complex CVOC-Impacted Fractured Bedrock Site in the Northeastern U.S." Presented at the 32nd Annual International Conference on Soils, Sediments, Water, and Energy, UMass, Amherst, October 17-20, 2016.

Taddeo, A., S. Olson, D. Folan, and R. Garfield, "Multiple Characterization Technologies to Refine Conceptual Site Model at a Complex CVOC-Impacted Fractured Bedrock Site in the Northeastern U.S." Presented at Tenth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Palm Springs, CA, May 23-27, 2016.

Panciera, M., L. Hellerich, J. Honda, D. Seremet, J. Albrecht, A. Taddeo, B. Finnell, and P. Dombrowski, "Performance of a Large-Scale Combined Bioremediation and In Situ Thermal Treatment Project to Remediate CVOCs and DNAPL", Presented at Eighth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, May 21-24, 2012.

Hellerich, L., M. Panciera, J. Albrecht, A. Taddeo, D. Groher, P.E., B. Finnell, and P. Dombrowski, "Planning and Implementation of a Large-Scale Design-Build Bioremediation and In Situ Thermal Treatment Project to Remediate CVOCs and DNAPL", Presented at the International Symposium on Bioremediation and Sustainable Environmental Technologies, Reno, NV, June 27-30, 2011.

Groher, Daniel, A. Taddeo, S. Wright, and L. McAdams, "Challenges of Bioremediation at Low PCE Levels in an Aerobic Sand Aquifer", Presented at Sixth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, May 19-22, 2008.

Taddeo, Art, R. Flatley, D. Groher, and J. Sturza. "Remediation of a Chlorinated Solvent DNAPL-Impacted Site Using Electrical Resistance Heating (ERH)", Presented at Sixth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, May 19-22, 2008.

Barry, Brenda, B. Ruffle, and A. Taddeo. "Nanomaterials for Remediation: Application and Implications", Presented at 23rd Annual International Conference on Soils, Sediments, and Water, University of Massachusetts, October 15-18, 2007.

Taddeo, Art, R. Flatley, and D. Groher, "Remediation of a Chlorinated Solvent DNAPL-Impacted Site Using Electrical Resistance Heating (ERH)", Presented at the 2nd International Conference on DNAPL: Characterization and Remediation, Niagara Falls, NY, September 24-27, 2007 and the 2nd European Conference on DNAPL Characterization and Remediation EC-DNAPL-2, The Netherlands, October 16-18, 2007.Taddeo, A. 1997.

"Composting-Old Technology, New Applications," Presented at IBC's Second Annual Conference on Innovative Remediation Technologies, A Comprehensive

Analysis of Technologies for Cost-Effective and Efficient Remediation, Boston, MA, July 21-22, 1997.

Taddeo, A. 1996. "Remediation Experience at Hazardous Waste Sites in the United States." Presented at the Second Life Science Laboratory Workshop on Bioremediation Application and Business, Kansai Research Institute, Kyoto, Japan, December 5.

Findlay, M., S. Fogel, L. Conway, and A. Taddeo. 1995. "Field Treatment of Coal Tar-Contaminated Soil Based on Results of Laboratory Studies". In: Young, L.Y. and C.E. Cerniglia (Eds.) Microbial Transformation and Degradation of Toxic Organic Chemicals, p. 487-513. Wiley-Less, New York, NY.

Taddeo, A. 1993. "TPH-Fact or Fiction," Presented at the First Symposium on Soil Clean-up in the Pacific Islands, Techniques and Standards. Sponsored by the Hawaii Section of the American Society of Civil Engineers, December 1-2.

Taddeo, A. 1993. "Results and Applications of Innovative Bioreactors for Water Pollution Control," Presented at 15th Annual Hawaii Water Pollution Control Association Conference, Oahu, Hawaii, February 4-5.

Taddeo, A., K. Sghia-Hughes, and S. Fogel. 1991. "Installation of a Vadose Zone Bioremediation System at the Seymour Superfund Site," Presented at HMCRI's Hazardous Materials Control '91 Conference, Washington, D.C., December 3-5.

Taddeo, A., M. Findlay, M. Dooley-Danna, and S. Fogel. 1989. "Field Demonstration of Forced Aeration Composting Treatment for Coal Tar," Presented at HMCRI's Superfund '89 Conference, Washington, D.C., November 27-29.

Taddeo, A. 1988. "Cost-Effective Environmental Clean-Ups of Contaminated Real Estate," Tri-State Real Estate Journal, November 25.

Crockett, E. and A. Taddeo. 1988. "A Technical Evaluation of Soil Gas Analysis for Use at a Hazardous Waste Site," National Water Well Association's 2nd Annual Outdoor Action Conference on Aquifer Restoration, Las Vegas, NV, May.

Fogel, M., A. Taddeo, and S. Fogel. 1987. "Enhanced Biodegradation of Coal Tar," Society for Environmental Toxicology and Chemistry 8th Annual Meeting, Pensacola, FL, November 9-12.

Taddeo, A. 1987. "A Seminar on Techniques of Soil Gas Analysis by Cambridge Analytical Associates." Presented at the Second Conference on Environmental and Public Health Effects of Soils Contaminated with Petroleum Products, Amherst, MA.

Taddeo, A. 1987. "Biological Treatment of Hazardous Wastes." Presented at the New England Section of the Air Pollution Control Association's Conference, Sturbridge, MA.

Taddeo, A., M. Findlay and S. Fogel. 1987. "Biodegradation of Polynuclear Aromatic Hydrocarbons in Coal Tar by a Mixed Bacterial Culture During Simulated Land Treatment." Presented at American Society for Microbiology

Meeting, Atlanta, GA.

Fogel, M., A. Taddeo and S. Fogel. 1986. "Biodegradation of Chlorinated Ethenes by a Methane-Utilizing Mixed Culture," Applied Environmental Microbiology, 51, (4): 720-724.

Paddock, J.K., A. Taddeo, J. Paddock and L.M. Lowenstein. 1985. "Glycoprotein Reutilization in Regenerating Microvilli After Renal Ischemia in Rats," Kidney International, 28, 498.

Paddock, J.K., A. Taddeo, K. Tornheim, S. Germain and L. Lowenstein. 1984. "Microvillar (MV) Regeneration Following Renal Ischemia: Effect of Inosine," Abstract, IX International Congress of Nephrology, Los Angeles, CA.

Mokrynski, G., A. Taddeo, L.M. Lowenstein and J.K. Paddock. 1984. "Microvillar (MV) Regeneration Following Renal Ischemia: 3H-Fucose Incorporation of the Adult Rat," Sigma Chi Poster Session, Thomas Jefferson Medical College, Philadelphia, PA.

Taddeo, A.R., 1984. "The Brush Border Membrane After Renal Ischemia: Biochemical Analysis of Regeneration and Recovery," Masters Thesis, Boston University, Boston, MA.

U.S. Patent application submitted June, 1985, "Biodegradation of Chlorinated Compounds", S. Fogel, M.M. Fogel, and A.R. Taddeo.